

## **The effectiveness of asynchronized motor generator at PSPP.**

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The growth of the installed capacity of renewable energy imposes increased requirements on maneuverability and regulatory capabilities of PSPs. The use of asynchronized motor generators with variable speed at PSP allows to expand the adjustment range of the unit according to active power, adjust active power in the pump mode, increase the efficiency of hydraulic unit. The article discusses the principle of the asynchronized motor generator, a review of foreign and domestic operation experience of such generators.

*Keywords: asynchronized hydro generator motor, PSPP, vector control, pumping mode.*